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PTO/SB/82 (10-00)

# 4/Power of Attorney  
7/1/01

A.T.

**REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number	09/648,908
Filing Date	August 25, 2000
First Named Inventor	Shupe
Group Art Unit	2744
Examiner Name	Unassigned
Attorney Docket Number	020366-072000

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I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

**OR**

Please change the correspondence address for the above-identified application to:

Customer Number 20350

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**OR**

<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
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Telephone	Fax			

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

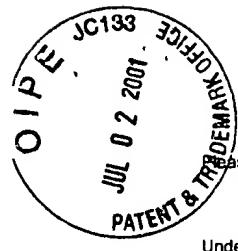
**SIGNATURE of Applicant or Assignee of Record**

Name	David Halvorson Qwest Communications International, Inc.
Signature	
Date	6/20/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  
Submit multiple forms if more than one signature is required, see below\*.

\*Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	09/648,908
	<b>Filing Date</b>	August 25, 2000
	<b>First Named Inventor</b>	Shupe
	<b>Title</b>	METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE
	<b>Group Art Unit</b>	2744
	<b>Examiner Name</b>	Unassigned
	<b>Attorney Docket Number</b>	020366-072000

I hereby appoint:

Practitioners at Customer Number  
**OR**

Practitioner(s) named below:

20350

Place Customer Number Bar Code Label here

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.  
**OR**

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Address			
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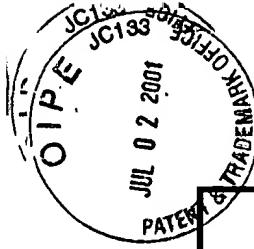
Applicant/Inventor.  
 Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

**SIGNATURE of Applicant or Assignee of Record**

Name	David Halvorson Qwest Communication International, Inc.
Signature	
Date	6/20/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of one (1) form is submitted.



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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Lester B. Shupe and David R. Clark

Application No./Patent No.: 09/48,908 Filed/Issue Date: August 25, 2000

Entitled: **METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE**Qwest Communications International, Inc., a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 011129, Frame 0433, or for which a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date

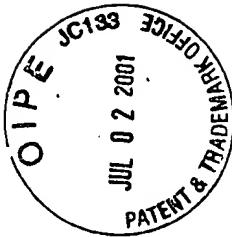
Signature

David Halvorson

Typed or printed name

Senior Attorney

Title



RECD

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by LAW DEPT

NOVEMBER 28, 2000



## UNITED STATES DEPARTMENT OF COMMERCE

## Patent and Trademark Office

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PTAS  
QWEST COMMUNICATIONS INTERNATIONAL INC.  
PETER J. KINSELLA  
LAW DEPARTMENT  
1801 CALIFORNIA STREET, SUITE 5100  
DENVER, CO 80202



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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/25/2000

REEL/FRAME: 011129/0433  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

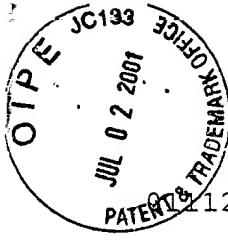
ASSIGNOR:  
SHUPE, LESTER B.

DOC DATE: 12/20/1999

ASSIGNOR:  
CLARK, DAVID R.

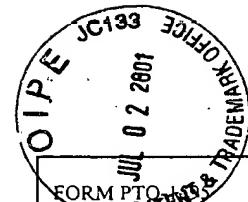
DOC DATE: 12/21/1999

ASSIGNEE:  
QWEST COMMUNICATIONS INTERNATIONAL  
INC.  
1801 CALIFORNIA STREET  
LAW DEPARTMENT - SUITE 5100  
DENVER, COLORADO 80202SERIAL NUMBER: 09648908  
PATENT NUMBER:FILING DATE: 08/25/2000  
ISSUE DATE:



PATENT 2129/0433 PAGE 2  
PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
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Docket No.: 1720/USW 4720 PUS

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Patent and Trademark OfficeFORM PTO  
(Modified)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Lester B. Shupe, David R. Clark

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

 Assignment  Merger Security Agreement  Change of Name Other \_\_\_\_\_

Execution Date: December 20 and 21, 1999

## 2. Name and address of receiving party(ies):

Name: Qwest Communications International Inc.

Internal Address: Law Department

Street Address: 1801 California Street

Suite 5100

City: Denver State: CO Zip: 80202

Additional name(s) & address(es) attached?  Yes  No

## 4. Application number(s) or patent number(s):

09 648 908

If this document is being filed together with a new application, the execution date of the application is: August 25, 2000

## A. Patent Application No.(s)

## B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter J. Kinsella

Address: Qwest Communications International Inc.

Law Department, 1801 California Street, Suite 5100

City: Denver State: CO ZIP: 80202

## 6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. § 3.41) ..... \$ 40.00

 Enclosed Authorized to be charged to Deposit Account

8. Deposit Account Number: Qwest Acct. No. 21-0456

(Attach duplicate copy of this page if paying by Deposit Account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Paul M. Schwartz

Name of Person Signing

Signature

August 25, 2000

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Box Assignments, Hon. Commissioner of Patents and Trademarks

Washington, D.C. 20231

10/06/2000 GT0N11 00000142 210456 09648908

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## ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, Lester B. Shupe residing at 11392 Eaton Way, Broomfield, Colorado 80020, and David R. Clark residing at 2329 Eagleview Circle, Longmont, Colorado 80504, respectively, do hereby assign, sell and set over to Qwest Communications International Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 1801 California Street, Denver, Colorado 80202, U.S.A., hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in

### **METHOD AND SYSTEM FOR AUTOMATICALLY UPDATING A SERVING MSC WITH A CHANGE IN A SUBSCRIBER PROFILE**

set forth in the application for United States Letters Patent, executed by us on the dates specified below, including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

7/15/00  
DATE

Lester B. Shupe  
Lester B. Shupe

8/15/2000  
DATE

David R. Clark  
David R. Clark

STATE OF *Colorado*)  
COUNTY OF *Boulder*) ss.

On this 15 day of August, 2000, personally appeared before  
me Lester B. Shupe, to me known to be the person named in and who executed the above  
instrument, and acknowledged that he/she executed the same for the uses and purposes therein  
mentioned.



Notary Public

My Commission expires:

HOPE HAMILTON

Notary Public, State of Colorado

County of Boulder

My Commission Expires July 31, 2001

(SEAL)

STATE OF *Colorado*)  
COUNTY OF *Boulder*) ss.

On this 15 day of August, 2000, personally appeared before  
me David R. Clark, to me known to be the person named in and who executed the above  
instrument, and acknowledged that he/she executed the same for the uses and purposes therein  
mentioned.



Notary Public

My Commission expires:

HOPE HAMILTON

Notary Public, State of Colorado

County of Boulder

My Commission Expires July 31, 2001

(SEAL)

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2744  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/648,908
Filing Date	August 25, 2000
First Named Inventor	Shupe
Group Art Unit	2744
Examiner Name	Unassigned

Total Number of Pages in This Submission

1

Attorney Docket Number

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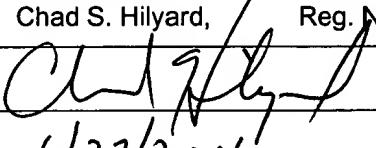
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## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Revocation of Power of Attorney, Power of Attorney; Statement Under 37 CFR 3.73(b)	<input checked="" type="checkbox"/> Return Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<b>Copy of recorded assignment</b>
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
	Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Chad S. Hilyard, Reg. No. 40,647
Signature	
Date	6/27/2001

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: **6/27/01**

Typed or printed name	Nina L. McNeill
Signature	
Date	6-27-01

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